

## METHOD, APPARATUS AND ARTICLE FOR DATA REDUCTION

### ABSTRACT

1 A method, apparatus and an article of manufacture having  
2 thereon a computer program, all for reducing data in  
3 groups of N values per group. The largest X values of the  
4 N values of each group is found. All but the largest X  
5 values of each group is set equal to zero. Respective  
6 ones of the N values produced are averaged to produce N  
7 average values. The largest Y of the N average values are  
8 set equal to a first binary value, and a remainder of the  
9 N average values are set equal to a second binary value.  
10 In one application, a signal is divided into a series of  
11 frames. For each frame, a spectrum of the signal is  
12 divided into a series of N frequency segments and the N  
13 values represent the amplitudes of the frequencies in the  
14 signal. Broadcast content is recognized.